

WE CLAIM:

1. A disk brake with mechanical self-boosting for use in motor vehicles, comprising

a brake bracket,

a floating caliper,

a caliper guide which guides the caliper transversely displaceably on the brake bracket,

an actuating unit with which a friction brake lining can be pressed against a brake disk, and

having a self-boosting mechanism which increases a contact-pressure force of the friction brake lining against the brake disk,

the self-boosting mechanism (40, 46) having one brace (52) in a circumferential direction to the brake disk (16) on the brake bracket (12) and another brace (28) transversely to the brake disk (16) on the caliper (22).

2. The disk brake in accordance with claim 1, wherein the self-boosting mechanism (40, 46) is received displaceably in the caliper (22) in a circumferential direction to the brake disk (16).

3. The disk brake in accordance with claim 1, wherein the self-boosting mechanism (40, 46) comprises a ramp mechanism.

4. The disk brake in accordance with claim 1, wherein the disk brake (10) comprises an electromechanical actuating unit (32).

5. The disk brake in accordance with claim 1, wherein the disk brake (10) comprises a hydraulic actuating unit (32).

6. The disk brake in accordance with claim 1, wherein the actuating unit (32) is mounted on the caliper (22).